

Title (en)
APPARATUS AND METHOD FOR TRANSMITTING OR RECEIVING DATA

Title (de)
VORRICHTUNG UND VERFAHREN ZUM SENDEN ODER EMPFANGEN VON DATEN

Title (fr)
APPAREIL ET PROCEDE PERMETTANT DE TRANSMETTRE OU DE RECEVOIR DES DONNEES

Publication
EP 1701463 A4 20080227 (EN)

Application
EP 04808071 A 20041222

Priority
• JP 2004019721 W 20041222
• JP 2003435638 A 20031226

Abstract (en)
[origin: EP1701463A1] A bit adding part acquires RSSI as measured by an RSSI measuring part, and adds "1" to each bit of protected audio data of an audio vocoder, if the acquired RSSI is smaller than a predetermined threshold value. If the acquired RSSI is equal to or greater than the predetermined threshold value, the bit adding part adds the bits of additional data to the respective bits of the protected data of the audio vocoder. A frame recovery part separates upper and lower order bits of deinterleaved data, and determines, based on CRC, whether eight data parts as obtained by combining the lower order bits as separated are valid. If so, the frame recovery part combines the eight data parts as the additional data to recovery additional information. In this way, additional data can be efficiently transmitted, while error correction being performed in accordance with communication environment.

IPC 8 full level
H04L 1/00 (2006.01); **H04L 27/10** (2006.01)

CPC (source: EP US)
H04L 1/0009 (2013.01 - EP US); **H04L 1/0014** (2013.01 - EP US)

Citation (search report)
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Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
EP 1701463 A1 20060913; EP 1701463 A4 20080227; EP 1701463 B1 20130123; CN 1902849 A 20070124; CN 1902849 B 20130116; DE 04808071 T1 20070118; JP 2005197830 A 20050721; JP 4388366 B2 20091224; RU 2006127037 A 20080210; RU 2372731 C2 20091110; US 2007160163 A1 20070712; US 8023585 B2 20110920; WO 2005064838 A1 20050714

DOCDB simple family (application)
EP 04808071 A 20041222; CN 200480039141 A 20041222; DE 04808071 T 20041222; JP 2003435638 A 20031226; JP 2004019721 W 20041222; RU 2006127037 A 20041222; US 58261504 A 20041222